



**The
CORPORATE
LIFECYCLE**

**BUSINESS,
INVESTMENT, AND
MANAGEMENT
IMPLICATIONS**

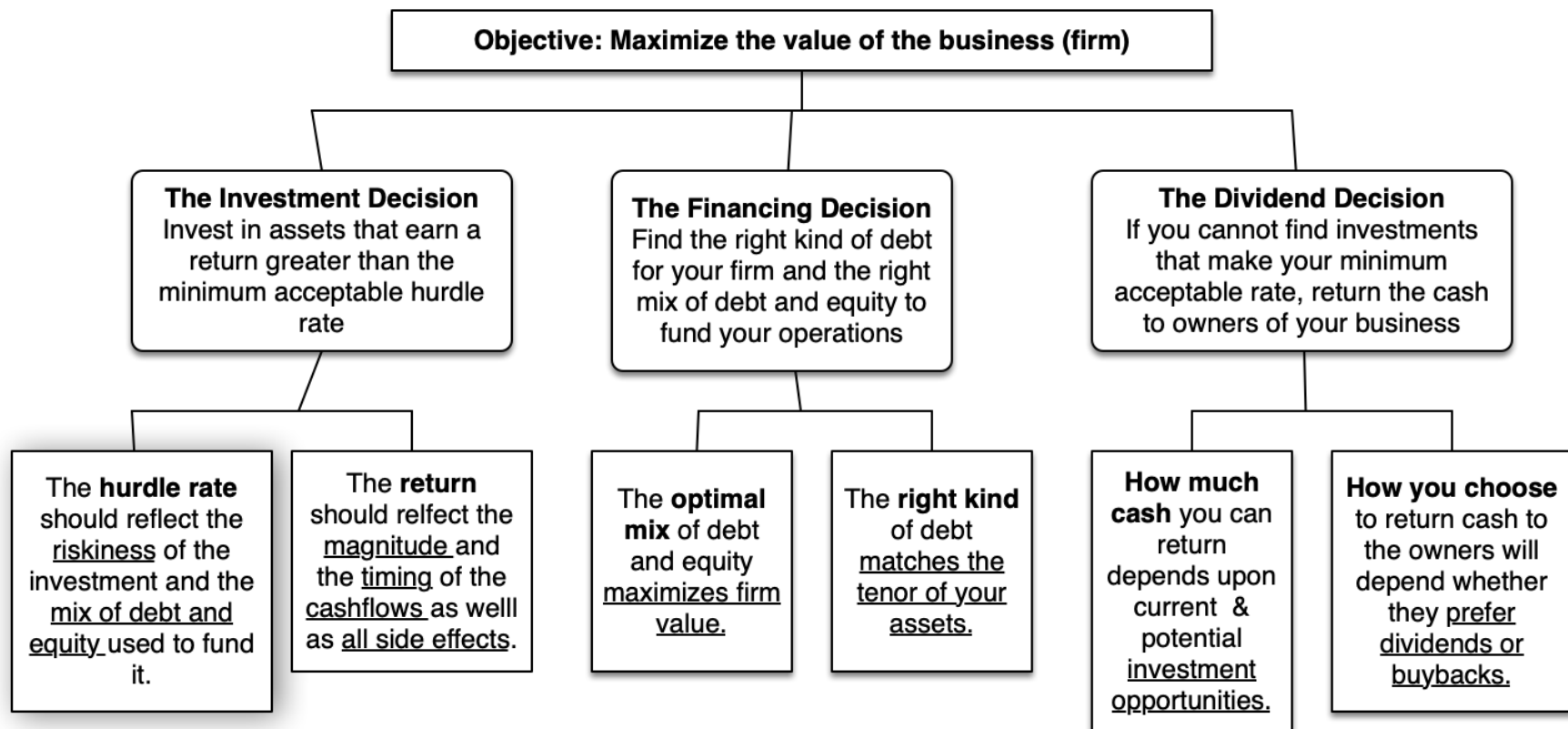
**ASWATH
DAMODARAN**

CORPORATE FINANCE 101

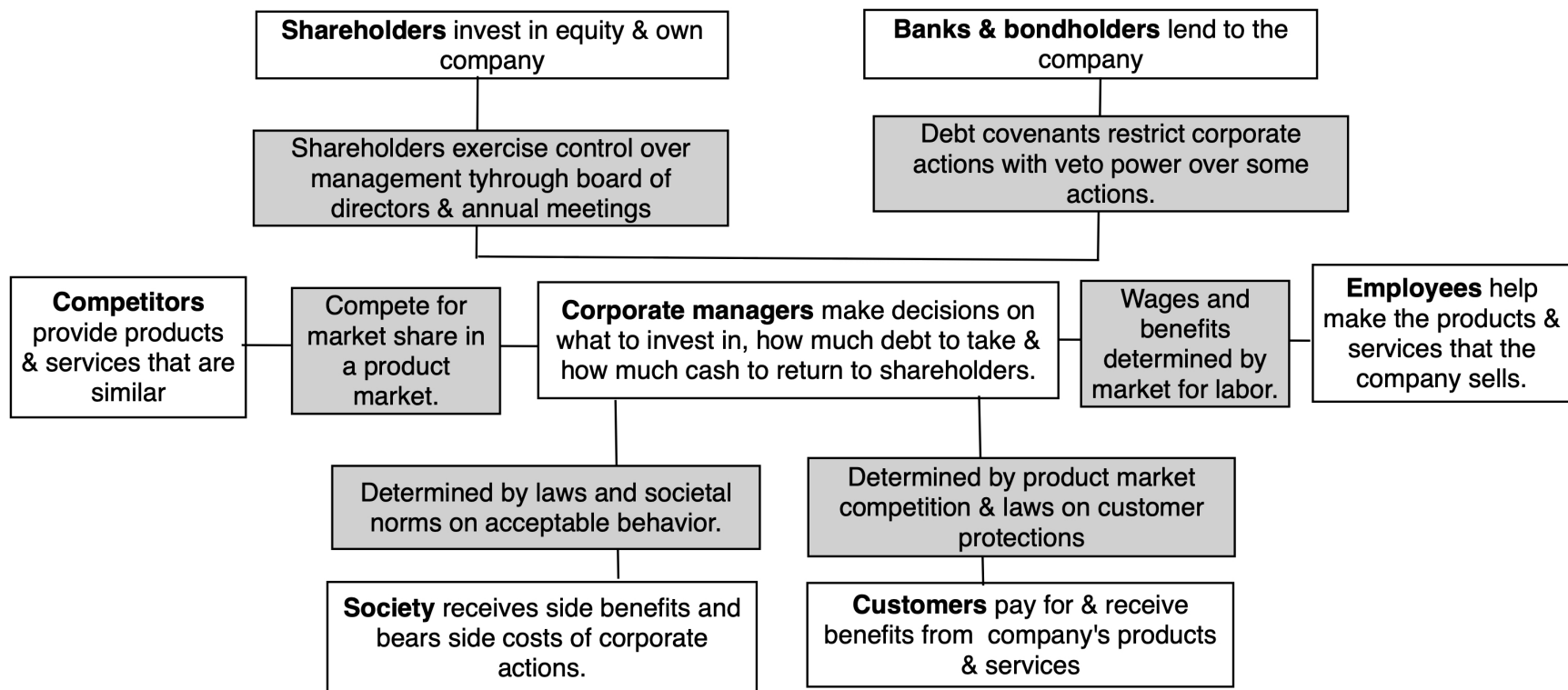
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CORPORATE FINANCE: THE BIG PICTURE



THE END GAME IN BUSINESS



- While the notion that a business should consider the interests of all of its different stakeholders is unexceptional, it fails, in our view, for two reasons:
 - It leaves businesses rudderless: While all stakeholders provide key ingredients for a business to succeed, they do have very different interests in the firm, and those interests will often collide.
 - It leaves managers unaccountable: If decision makers in a business are accountable to all stakeholders, we would argue that they are effectively accountable to none of them.
- The shareholder value maximization objective is not perfect, by any stretch of the imagination, but **the notion that it is inimical to the well-being of the other stakeholders is neither logical, nor backed by data.**

SHAREHOLDER WEALTH MAXIMIZATION



The hurdle rate for an investment

Should reflect the risk of the investment, not the entity taking the investment.
Should use a debt ratio that is reflective of the investment's cash flows.

The return on an investment

Should reflect the cash flows that you will get from the investment
Should be time weighted, reflecting when you will get those cash flows

1. INVESTMENT PRINCIPLE



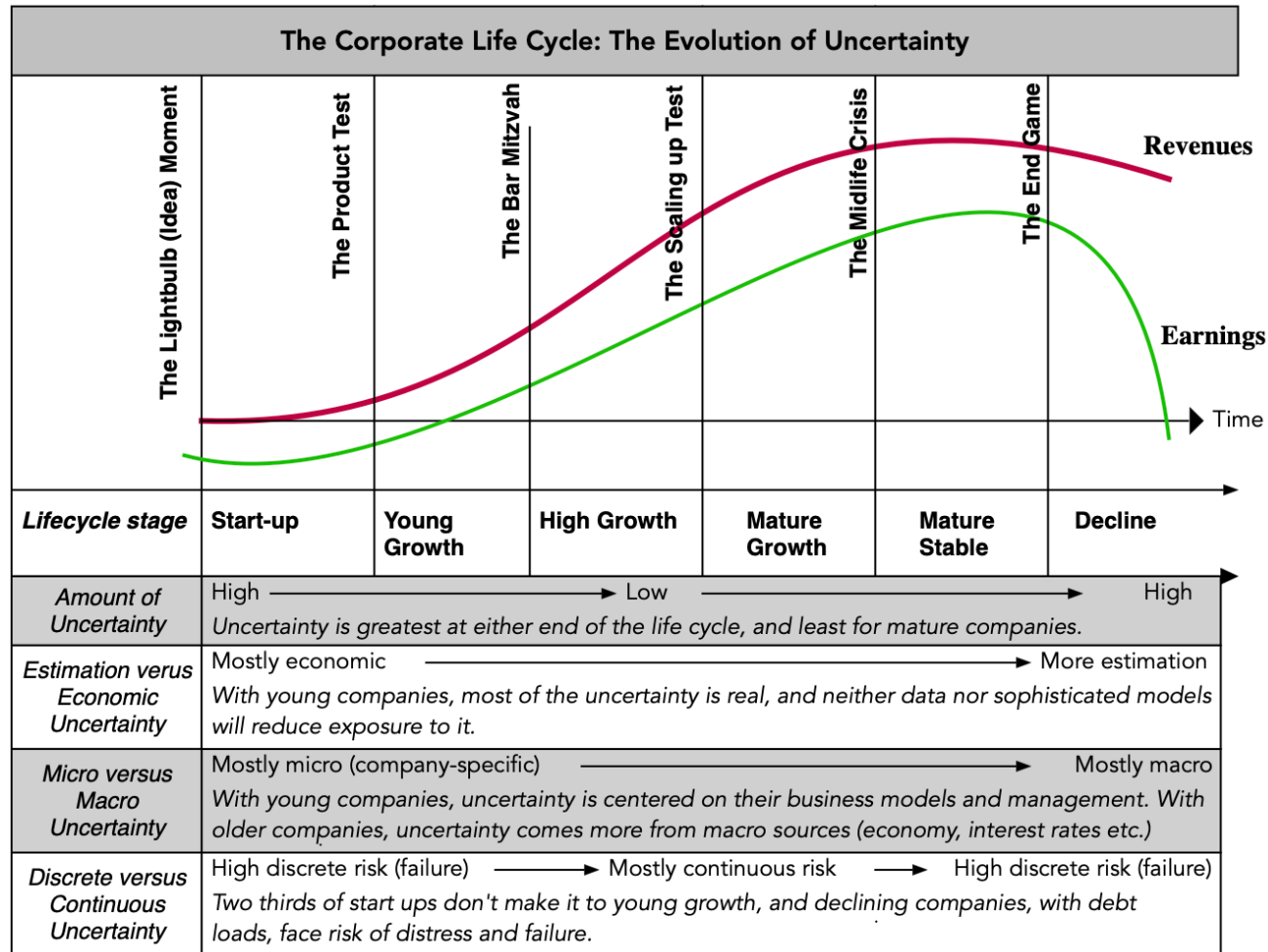
Type of Risk/Uncertainty	The Difference	Why we care in corporate finance
Estimation versus Economic	Economic uncertainty refers to the unexpected changes doled out by fate that no amount of research or information is going to give us insight into. Estimation uncertainty relates to judgments in investing and valuation that can be improved by collecting more information and using it better.	Businesses must make decisions in the face of uncertainty, and while more due diligence and research will reduce estimation uncertainty, they will have no effect on economic uncertainty.
Micro versus Macro	Micro uncertainty is at the company-level and comes from management decisions, legal entanglements and even from immediate competitors. Macro uncertainty can be traced back to larger forces, i.e., the swings in fortune caused by changes in inflation, interest rates and economic cycles.	The managers of a business can affect only the micro component, with better decisions translating into better payoffs. However, they cannot control the macro component, coming from overall economic or country risk.
Discrete versus Continuous	Continuous risk is risk that you are exposed to on a continuous basis, though the moment-to-moments will tend to be small. Discrete risk is risk that is uncommon but potentially catastrophic.	Risk management systems often are built to manage continuous risk, partly because you get constant reminders of its presence, and ignore or underplay discrete risks.

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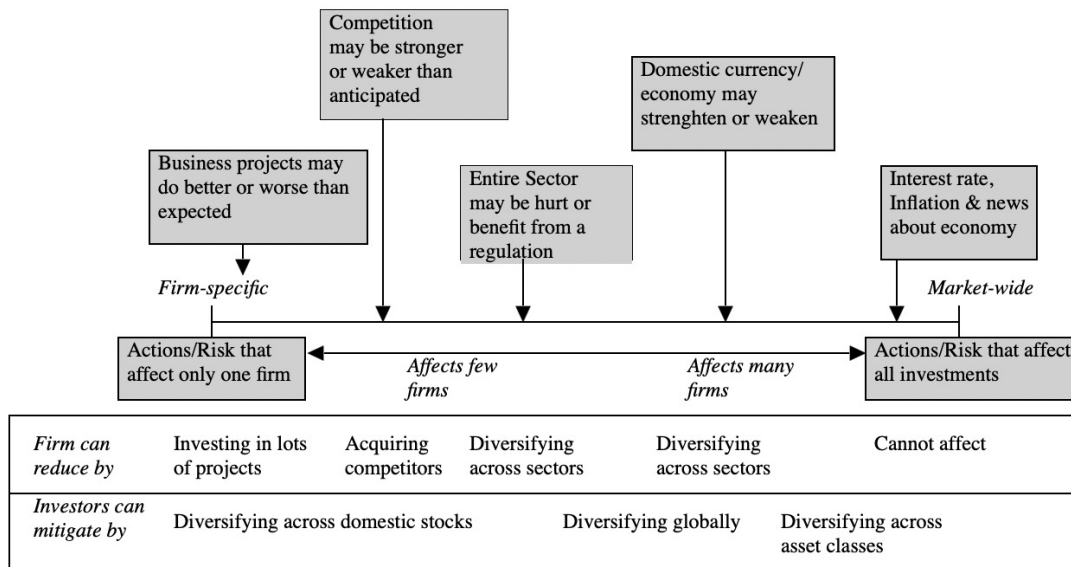
THE HURDLE RATE - RISK



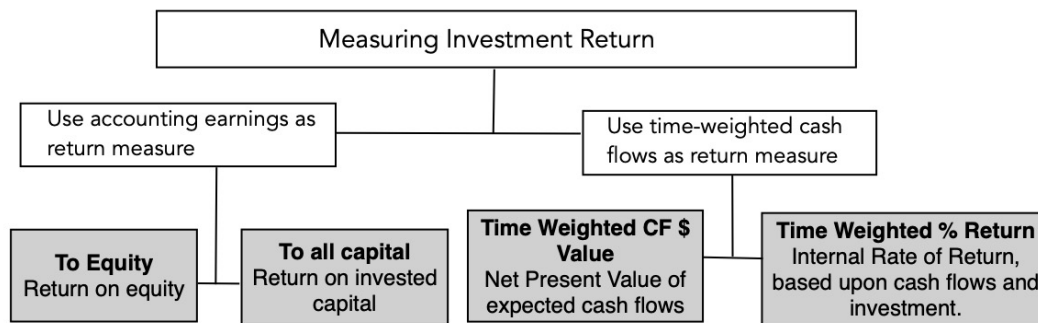
UNCERTAINTY ACROSS THE LIFE CYCLE

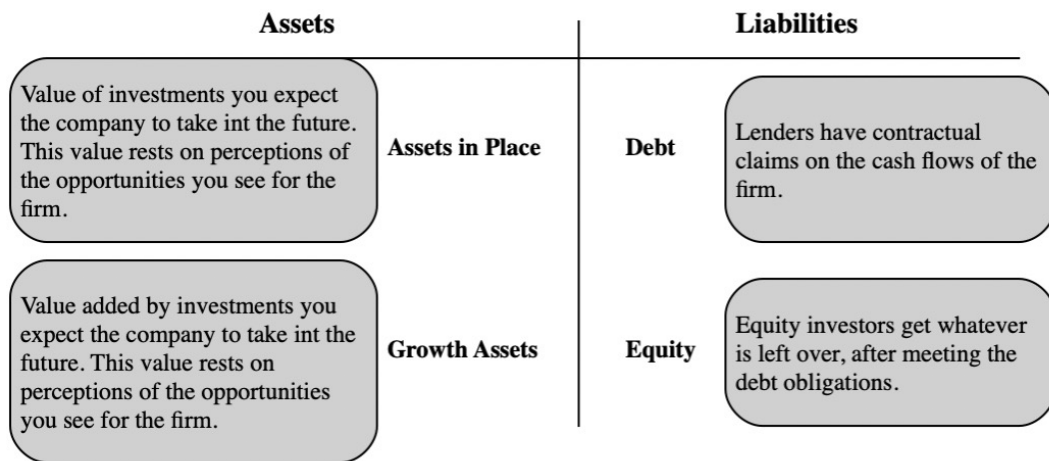


DIVERSIFIABLE VS UNDIVERSIFIABLE RISK



INVESTMENT RETURNS





2. THE FINANCING PRINCIPLE



The Biggest Plus

Tax Benefit: Debt gives rise to interest payments, which are tax deductible, and thus lower taxes due. Equity receives cash from dividends or buybacks, and neither is tax deductible.

The Biggest Minus

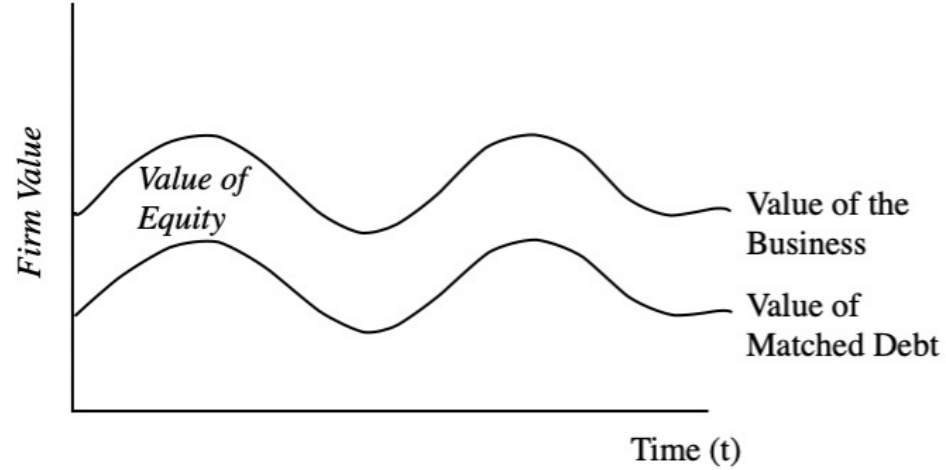
Bankruptcy or Default risk: Debt creates contractual obligations in the form of interest and principal payments, which if not met, can result in either bankruptcy or loss of control (to lenders) of the business.

Financing Mix Follow up: Firms that receive large (small) tax benefits from debt, while facing little (lots of) risk of default, should choose to use more (less) debt, as opposed to equity.

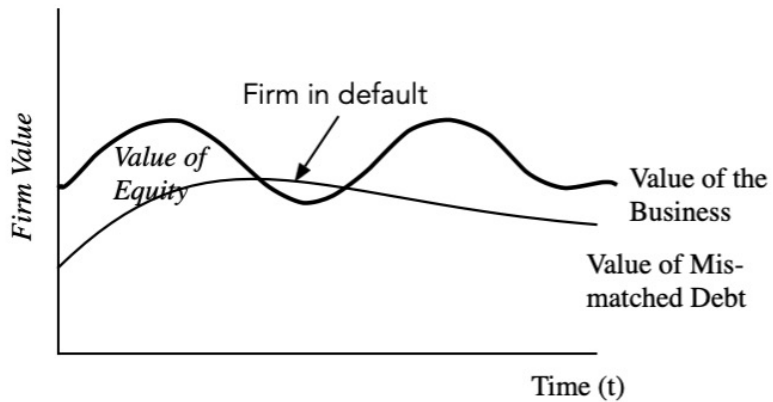
FINANCING MIX



Matched debt



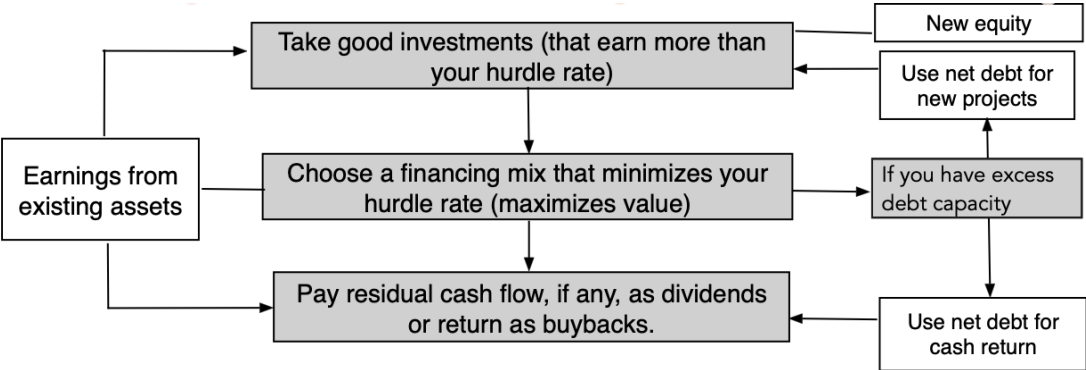
Unmatched debt



FINANCING TYPE



3. THE DIVIDEND PRINCIPLE



Potential Dividends (The Logic)

Start with the income available for equity investors

Net out

Cash invested in long term assets to generate future growth

Net Out

Cash invested in short term assets to generate future growth

Add back or net out

Add back cash inflows from new borrowing and net out cash outflows from paying off debt

Yields

Free Cash Flow to Equity

Potential Dividends (Calculation)

Net Income

minus

Cap Ex - Depreciation & Amortization

minus

Change in non-cash Working Capital

plus

(New borrowings - Debt repaid)

equals

Free Cash Flow to Equity

POTENTIAL DIVIDENDS?



<i>Dividends</i>	<i>Stock Buybacks</i>
<p>Sticky: Dividends, once set, are slow to change, more likely to increase than decrease.</p>	<p>Flexible: Buybacks are flexible, and even if announced, can be reversed with little or no consequence.</p>
<p>Timed: Dividends are paid out at regular intervals of time (quarters, annual).</p>	<p>Opportunistic: Buybacks do not follow a time pattern, and can be done at any time (of the company's choosing).</p>
<p>General: Dividends are paid to all shareholders in the firm, whether they need or want the cash.</p>	<p>Selective: Cash is returned to shareholders, but only to those who choose to sell their shares back.</p>
<p>Dividends vs Buybacks: Firms that have large (small) and stable (volatile) earnings and shareholders who like (don't need) regular, predictable cash flows will return cash as dividends (in stock buybacks)</p>	

CASH RETURN: DIVIDENDS VS BUYBACKS!



CORPORATE FINANCE EMPHASIS ACROSS LIFE CYCLE

